

## DETAILED ACTION

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Marina V. Zalevsky, Reg. No. 53,825 on 03/11/2010.

The application has been amended as follows:

1. (currently amended) A compressed mode configuration method in a mobile radio system, said method comprising:

choosing a compressed mode configuration from a set of reference compressed mode configurations, the compressed mode configuration being defined by compressed mode parameters including a transmission gap length TGL and a transmission gap pattern length TGPL, by a processor.

wherein transmission gaps are defined in a first transmission time structure specific to a first system corresponding to Universal Mobile Telecommunications System (UMTS) and determined relative to a second transmission time structure specific to a second system corresponding to Global System for Mobile communications (GSM), to enable measurements on the second system to be affected in the first system, and

said compressed mode parameters are determined so that, for each reference configuration, one of:

if the transmission gap pattern length TGPL is a multiple of 6, the transmission gap length TGL is equal to 14, and

if the transmission gap pattern length TGPL is not a multiple of 6, a transmission gap pattern comprises a plurality of transmission gaps.

2-9. (canceled)

10. (previously presented) A network equipment for a mobile radio system, the network equipment comprising:

means for choosing a compressed mode configuration from a set of reference configurations, the compressed mode configuration being defined by compressed mode parameters including a transmission gap length TGL and a transmission gap pattern length TGPL,

wherein transmission gaps are defined in a first transmission time structure specific to a first system corresponding to Universal Mobile Telecommunications System (UMTS) and determined relative to a second transmission time structure specific to a second system corresponding to Global System for Mobile communications (GSM), to enable measurements on the second system to be affected in the first system, and

the compressed mode parameters of each reference configuration are determined so that, one of:

if the transmission gap pattern length TGPL is a multiple of 6, the transmission gap length TGL is equal to 14, and

if the transmission gap pattern length TGPL is not a multiple of 6, a transmission gap pattern comprises a plurality of transmission gaps.

11-19. (canceled)

20. (previously presented) The method according to claim 1, comprising signaling to a mobile terminal the compressed mode parameters corresponding to the chosen compressed mode configuration.

21. (previously presented) The network equipment according to claim 10, comprising means for signaling to a mobile terminal the compressed mode parameters corresponding to the chosen compressed mode configuration.

22. (currently amended): A compressed mode configuration method in a mobile radio system, the method comprising:

choosing a compressed mode configuration from a set of reference compressed mode configurations, the compressed mode configuration being defined by compressed mode parameters including a transmission gap length TGL and a transmission gap pattern length TGPL, by a processor.

wherein transmission gaps are defined in a first transmission time structure specific to a first system corresponding to Universal Mobile Telecommunications

Art Unit: 2473

System (UMTS) and determined relative to a second transmission time structure specific to a second system corresponding to Global System for Mobile communications (GSM), to enable measurements on the second system to be affected in the first system, and

the compressed mode parameters are determined so that, for at least one reference configuration, the transmission gap pattern length TGPL is equal to 13 and the transmission gap length TGL is equal to 10.

23. (previously presented): The method according to claim 22, comprising signaling to a mobile terminal the compressed mode parameters corresponding to the chosen compressed mode configuration.

24. (previously presented): A network equipment for a mobile radio system, the network equipment comprising:

means for choosing a compressed mode configuration from a set of reference configurations, the compressed mode configuration being defined by compressed mode parameters including a transmission gap length TGL and a transmission gap pattern length TGPL,

wherein transmission gaps are defined in a first transmission time structure specific to a first system corresponding to Universal Mobile Telecommunications System (UMTS) and determined relative to a second transmission time structure specific to a second system corresponding to Global System for Mobile communications (GSM), to enable measurements on the second system to be affected in the first system, and

the compressed mode parameters are determined so that, for at least one reference configuration, the transmission gap pattern length TGPL is equal to 13 and the transmission gap length TGL is equal to 10.

25. (previously presented): The network equipment according to claim 24, comprising means for signaling to a mobile terminal the compressed mode parameters corresponding to the chosen compressed mode configuration.

### ***Reason for Allowance***

2. The following is an examiner's statement of reasons for allowance: Claims 1, 10, and 20-25 are allowed.

The present invention is directed to the compressed mode configuration in a mobile radio system in which a compressed mode configuration is chosen from a set of reference compressed mode configurations defined by compressed mode parameters including a transmission gap length TGL and a transmission gap pattern length TGPL, the transmission gaps are defined in a first transmission time structure specific to a first system and are determined relative to a second transmission time structure specific to a second system to enable the first system to effect measurements on the second system.

Regarding claim 1, a compressed mode configuration method in a mobile radio system, said method comprising: choosing a compressed mode configuration from a set of reference compressed mode configurations, the compressed mode configuration

being defined by compressed mode parameters including a transmission gap length TGL and a transmission gap pattern length TGPL, by a processor, wherein transmission gaps are defined in a first transmission time structure specific to a first system corresponding to Universal Mobile Telecommunications System (UMTS) and determined relative to a second transmission time structure specific to a second system corresponding to Global System for Mobile communications (GSM), to enable measurements on the second system to be affected in the first system, and the compressed mode parameters are determined so that, for each reference configuration, one of: if the transmission gap pattern length TGPL is a multiple of 6, the transmission gap length TGL is equal to 14, and if the transmission gap pattern length TGPL is not a multiple of 6, a transmission gap pattern comprises a plurality of transmission gaps.

Regarding claim 10, A network equipment for a mobile radio system, the network equipment comprising: means for choosing a compressed mode configuration from a set of reference configurations, the compressed mode configuration being defined by compressed mode parameters including a transmission gap length TGL and a transmission gap pattern length TGPL, wherein transmission gaps are defined in a first transmission time structure specific to a first system corresponding to Universal Mobile Telecommunications System (UMTS) and determined relative to a second transmission time structure specific to a second system corresponding to Global System for Mobile communications (GSM), to enable measurements on the second system to be affected in the first system, and the compressed mode parameters of each reference configuration are determined so that, one of: if the transmission gap pattern length

TGPL is a multiple of 6, the transmission gap length TGL is equal to 14, and if the transmission gap pattern length TGPL is not a multiple of 6, a transmission gap pattern comprises a plurality of transmission gaps.

Regarding claim 22, a compressed mode configuration method in a mobile radio system, the method comprising: choosing a compressed mode configuration from a set of reference compressed mode configurations, the compressed mode configuration being defined by compressed mode parameters including a transmission gap length TGL and a transmission gap pattern length TGPL, by a processor, wherein transmission gaps are defined in a first transmission time structure specific to a first system corresponding to Universal Mobile Telecommunications System (UMTS) and determined relative to a second transmission time structure specific to a second system corresponding to Global System for Mobile communications (GSM), to enable measurements on the second system to be affected in the first system, and the compressed mode parameters are determined so that, for at least one reference configuration, the transmission gap pattern length TGPL is equal to 13 and the transmission gap length TGL is equal to 10.

Regarding claim 24, A network equipment for a mobile radio system, the network equipment comprising: means for choosing a compressed mode configuration from a set of reference configurations, the compressed mode configuration being defined by compressed mode parameters including a transmission gap length TGL and a transmission gap pattern length TGPL, wherein transmission gaps are defined in a first transmission time structure specific to a first system corresponding to Universal Mobile

Telecommunications System (UMTS) and determined relative to a second transmission time structure specific to a second system corresponding to Global System for Mobile communications (GSM), to enable measurements on the second system to be affected in the first system, and the compressed mode parameters are determined so that, for at least one reference configuration, the transmission gap pattern length TGPL is equal to 13 and the transmission gap length TGL is equal to 10.

Claims 20, 21, 23 and 25 are allowed since they depend on claim 1, 10, 22 and 24 respectively.

3. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to SYED BOKHARI whose telephone number is (571)270-3115. The examiner can normally be reached on Monday through Friday 8:00-17:00 Hrs..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kwang B. Yao can be reached on (571) 272-3182. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.



Art Unit: 2473

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Syed Bokhari/  
Examiner, Art Unit 2473  
3/12/2010

/KWANG B. YAO/  
Supervisory Patent Examiner, Art Unit 2473